



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 9  
75 Hawthorne Street  
San Francisco, CA 94105

December 6, 2012

MEMORANDUM

SUBJECT: Comments to the "Draft Quality Assurance Project Plan, Tujunga Investigation Area Integrated Site Investigation, Los Angeles County, California," November 2012 by CH2MHill, [EPA QA Office DCN#59CA0027QV1]

FROM: Rich Freitas, Environmental Scientist *RF*  
Quality Assurance Office, MTS-3

Through: Eugenia McNaughton, Manager *Eugenia McNaughton*  
Quality Assurance Office, MTS-3

TO: Kelly Manheimer, Remedial Project Manager  
Site Cleanup Section, SFD-7-3

The plan is not approved. Please have the consultant provide a written response to each concern prior to submittal of the revised plan for review. In the response to comments, please have the consultant include the portions of the plan which will be revised and along with the proposed language and/or redlined document.

The review was based on the guidance provided in "EPA Requirements for Quality Assurance Project Plans," (EPA QA/R-5, EPA/240/B-01/003, March, 2001), and the "

If you have any questions please contact me at (415) 972-3804.

Comments to the Quality Assurance Project Plan:

1. [Page A-3, Section A.2.3.5 Hydrostratigraphy]

Descriptions of the aquifer units (hydrostratigraphic units) are needed here along with any plume maps or spider maps which show contaminant concentrations in each aquifer unit and contour maps of water level elevations for each unit. The hydrogeologic units are expected to be similar with what has been presented in previous groundwater quality investigation reports of the basin. Representative hydrogeologic cross-sections should be provided for the area of investigation.

2. [Section A.2.5 Data Review of Study Area]

Available groundwater quality data should be summarized here. Groundwater chemistry data should be provided for the latest round of sampling and plume maps and/or spider diagrams (maps) showing the latest measured contaminants should be provided for each identified aquifer zone/depth. Boring logs and a table of well construction details should be provided as an Appendix for all wells in the area of investigation

3. [Section A.2.5 Data Review of Study Area]

For the facilities listed in this section, please summarize here and include as an Appendix any hydrogeological data which is available (e.g. cross-sections, water level contour maps, well construction, etc.).

4. [Page A-8, Monitoring Well Installation, "CH2M HILL, on behalf of EPA, will install one new monitoring well at the approximate location shown on Figure A-3," and Appendix A, Step 2 Goals of the Tujunga Integrated Site Investigation/Possible Outcomes]

Insufficient hydrogeologic information has been provided to support the location and depth(s) of the proposed well. Please clarify.

5. [Appendix A, page 65, PS-1]

It is recommended that existing hydrogeological information be summarized and evaluated both before and after well installation.

6. [Appendix B, Field Sampling Plan, Section 6.1.6 Well Installation, "The nested monitoring wells will be completed with screened intervals up to 80 feet long.."]

The proposed well screen length is excessively long for purposes of groundwater quality monitoring. Please justify.